

**IN THE SPECIFICATION**

Please amend the portions of the specification identified below to read as indicated herein.

**Please amend the paragraph beginning at page 12, line 5 as follows:**

N is an integer of 2 or higher. The output signals of mixer 810 are input through low-pass filter 830 and buffer amp 840 to A/D converter 850. A/D converter 850 samples the input signals at a sampling frequency  $f_s$ . Sampling frequency  $f_s$  is a frequency that is the 4m multiple of the frequency  $f_{IF}$  of the signal under test. Moreover, the cut-off frequency  $f_c$  of low-pass filter 830 is set so that it can also function as the anti-alias filter for A/D converter ~~830~~850.

**Please replace Table 1, beginning on page 17, line 3, with the following table:**

Mixer 810				Low-pass filter 830 ( $f_c = 40$ kHz)	Filter 860 Filter 865	Error 1 (ppm)	Error 2 (ppm)
Component	Frequency (kHz)	Ratio to $f_{IF}$	Output (dBc)	Attenuation (dB)	Attenuation (dB)		
$f_{LO} - f_m = f_{IF}$	10.00	1.00	0.00	0.00	0.00		
$3f_m - 2f_{LO}$	10.00	1.00	-130.00	0.00	0.00	0.32	0.32
$7f_m - 5f_{LO}$	10.00	1.00	-140.00	0.00	0.00	0.10	0.10
$2f_{LO} - 2f_m$	20.00	2.00	-120.00	0.00	-317.72	0.00	0.00
$2f_m - f_{LO}$	20.00	2.00	-60.00	0.00	-317.72	0.00	0.00
$3f_{LO} - 3f_m$	30.00	3.00	-140.00	-0.27	-353.15	0.00	0.00
$f_m$	30.00	3.00	-54.00	-0.27	-353.15	0.00	0.00
$5f_m - 3f_{LO}$	30.00	3.00	-140.00	-0.27	-353.15	0.00	0.00
$f_{LO}$	40.00	4.00	-40.00	-6.02	-318.42	0.00	0.00
$5f_{LO} - 5f_m$	50.00	5.00	-140.00	-23.84	-353.15	0.00	0.00
$2f_{LO} - f_m$	50.00	5.00	-60.00	-23.84	-353.15	0.00	0.00
$3f_m - f_{LO}$	50.00	5.00	-70.00	-23.84	-353.15	0.00	0.00
$3f_{LO} - 2f_m$	60.00	6.00	-130.00	-42.33	-317.72	0.00	0.00

$2f_m$	60.00	6.00	-114.00	-42.33	-317.72	0.00	0.00
$7f_{LO} - 7f_m$	70.00	7.00	-140.00	-58.34	0.00	0.10	0.00
$5f_m - 2f_{LO}$	70.00	7.00	-130.00	-58.34	0.00	0.32	0.00
					Total error (ppm)	0.83	0.42
					Total error (%)	0.0001	0.0000

Please replace Table 2, beginning on page 21, line 3, with the following table:

Mixer 810				Low-pass filter 830 ( $f_c =$ 30 kHz)	Filter 860 Filter 865	Error 1 (ppm)	Error 2 (ppm)
Component	Frequency (kHz)	Ratio to $f_{IF}$	Output (dBc)	Attenuation (dB)	Attenuation (dB)		
$f_{LO} - f_m = f_{IF}$	9.375	1.00	0.00	0.00	0.00		
$3f_m - 2f_{LO}$	11.250	1.20	-130.00	0.00	-1.20	0.28	0.28
$7f_m - 5f_{LO}$	13.125	1.40	-140.00	0.00	-3.55	0.07	0.07
$2f_{LO} - 2f_m$	18.750	2.00	-120.00	-0.03	-317.72	0.00	0.00
$2f_m - f_{LO}$	20.625	2.20	-60.00	-0.10	-18.39	120.33	119.00
$3f_{LO} - 3f_m$	28.125	3.00	-140.00	-3.29	-353.15	0.00	0.00
$f_m$	30.000	3.20	-54.00	-6.02	-23.28	136.74	68.37
$5f_m - 3f_{LO}$	31.875	3.40	-140.00	-9.74	-19.56	0.01	0.00
$f_{LO}$	39.375	4.20	-40.00	-28.67	-24.25	613.09	22.60
$5f_{LO} - 5f_m$	46.875	5.00	-140.00	-46.56	-353.15	0.00	0.00
$2f_{LO} - f_m$	48.750	5.20	-60.00	50.63	-21.91	80.24	0.24
$3f_m - f_{LO}$	50.625	5.40	-70.00	-54.55	-16.78	45.79	0.09
$3f_{LO} - 2f_m$	58.125	6.20	-130.00	-68.94	-14.48	0.06	0.00
$2f_m$	60.000	6.40	-114.00	-72.25	-7.49	0.84	0.00
$7f_{LO} - 7f_m$	65.625	7.00	-140.00	-81.59	0.00	0.10	0.00
$5f_m - 2f_{LO}$	71.250	7.60	-130.00	-90.16	-3.23	0.22	0.00
				Total error (ppm)		997.77	210.63
				Total error (%)		0.0998	0.0211